

USER MANUAL

HDMI Surge Protector

(EDS, Lightning, Surge, EFT Protection)

- **Model No: HDEX001M1**

Enjoy the vivid world!

INTRODUCTION

Dear customer

Thank you for purchasing this product. For optimum performance and safety, please read these instructions carefully before connecting, operating or adjusting this product. Please keep this manual for future reference.

Our series of HDMI Converters, switchers, extenders, matrixes and splitters are designed to make your A/V device use more convenient, more comfortable, more productive and more cost-efficient.

The HDMI surge protector is designed for protect the HDMI device that against with the static discharge, lighting surge, electrical fast transient burst. It is all active at all TMDS/DDC/HPD and CEC channels of connected HDMI signals and it can do final defense for ESD and Lighting Surge.

Our devices offer solutions for noise, space and security concerns, data center control, information distribution, conference room presentation, school and corporate training environments.

FEATURES

- Protect HDMI input and output for ESD and Lightning Surge
- Meet IEC 61000-4-2 (ESD) $\pm 15\text{kV}$ (air), $\pm 8\text{kV}$ (contact).
- Meet IEC 61000-4-4 (EFT) 40A (5/50ns).
- Meet IEC 61000-4-5 (Lightning) 5A (8/20 μs).
- Support HDMI 1.4 with 3D,4KX2K and HEAC.
- Solid-state silicon-avalanche technology.
- Support HDCP
- No loss of quality
- Installs in minutes
- No Need Power Adaptor

The accessories with the machines lists as picture:

- 1、 One HDMI Surge Protector 1PCS
- 2、 one pc of Manual 1PCS
- 3、 One Ground Wire 1PCS
- 4、 Ground Screw 2 PCS

Physical Connection Showing Picture:

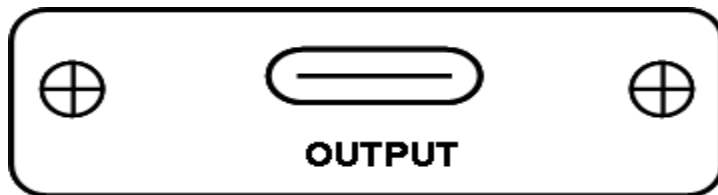


Figure 1.0 Front Panel Showing Picture

OUTPUT: HDMI output interface

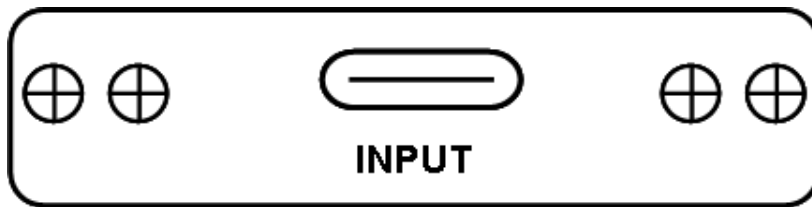
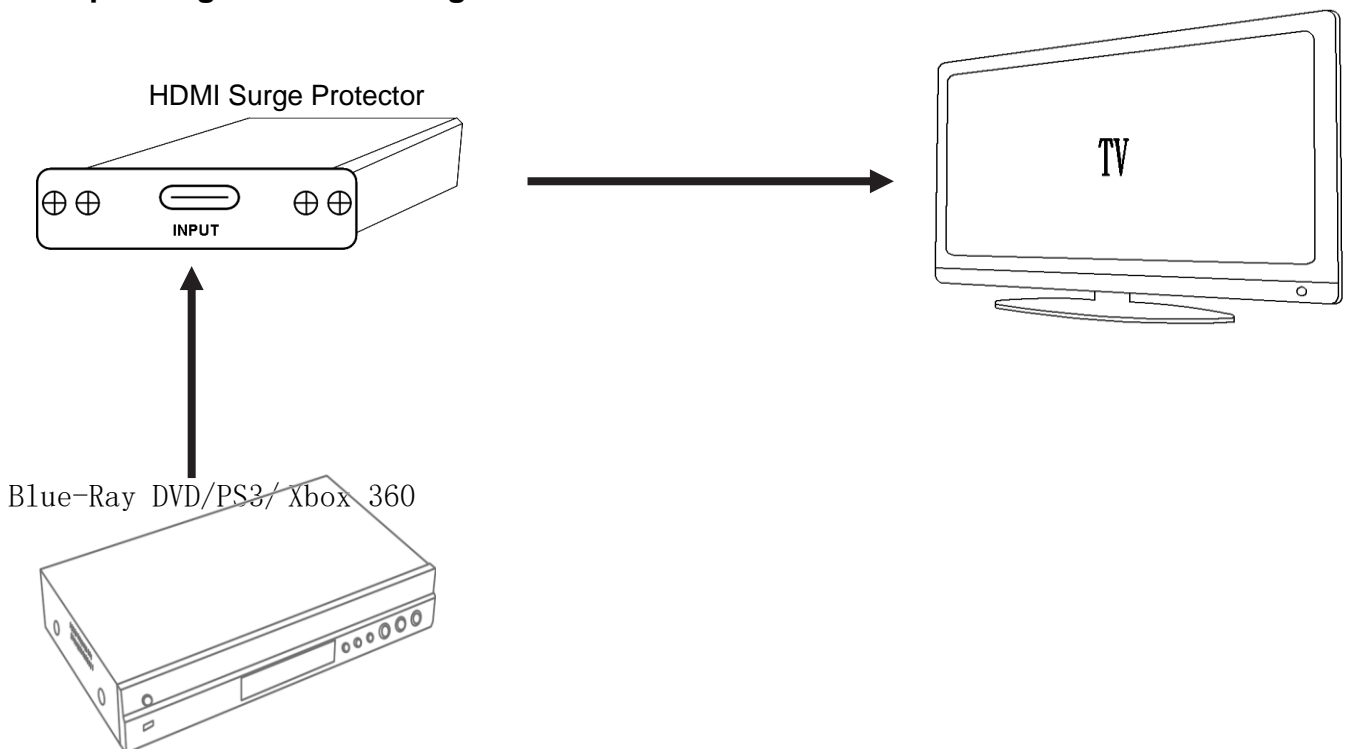


Figure 1.1 rear panel showing picture

INPUT: HDMI input interfac

Operating and Connecting:



1. To connect the HD Source with the HDMI input port of the HDMI surge protector
2. To connect the HD Display with the HDMI output port of the HDMI surge protector.

Model number:	HDEX001M1
HDMI version.....	HDMI 1.4 with 3D 、 4Kx2K、 HEAC
HDMI resolution	24/50/60fs/1080p/1080i/720p/576p/576i/480p/480i
Support video color format	24bit/deep color 30bit,36bit, 48bit
Support audio format.....	DTS-HD/Dolby-trueHD/LPCM7.1/DTS/Dolby-AC3/DSD HD(HBR)
Max bandwidth.....	340MHz
Max baud rate.....	10.2Gbps
Input/Output TMDS signal	0.5~1.5Volts p-p(TTL)
Input/Output DDC signal	5Volts p-p (TTL)
Max working current.....	50mA
Operating Temperature range.....	(-15 to +55℃)
Operating Humidity range.....	5 to 90%RH (No Condensation)
Dimension (L x W x H)	43.5x64x16.5 (mm)
Weight.....	40g

Notes:

Pls use the machine as the instruction listed to keep the long use lifetime of the machine.

1. The machine should be placed at the spot far from the Damp, High-Temperature, Dusty, Erosive, and oxidative environment.
2. All parts will be free from the strong shake, hit, fall.
3. Pls do not open the cover and do not touch the inside parts.

Before power on, pls check the connection line carefully. And make sure that all interfaces are normally connected. The common trouble shooting way shows below:

Serial NO	Trouble Description	Cause and Ways to deal with
1	No Picture	1、 Pls to make sure that the TV is on and has been connected with the machine. 2、 To check if the signal source is on and well connected. 3、 Check the system connection quality. 4、 Check if the line is all good quality. 5、 Check the cable quality
2	Obscure Picture	1、 To try again to connect the cable to be free from the unsuccessful connection. 2、 HDMI Cable Quality